SUPERTRONIC®-PVC

colour code DIN 47100



TECHNICAL DATA

PVC drag chain cable in alignment with DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -5°C to +70°C fixed -40°C to +70°C
Nominal voltage	AC U 350 V
Test voltage core/core	1500 V
Breakdown voltage	3000 V
Minimum bending radius	flexible 5x Outer-Ø fixed 3x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, extra finely stranded
- Wire structure:
  0.14 mm²: approx. 18 x 0.1 mm
  0.25 mm²: approx. 32 x 0.1 mm
  0.34 mm²: approx. 42 x 0.1 mm
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type TI2)
- Core identification acc. to DIN 47100, colour coded
- x = without protective conductor
- Cores stranded in layers with optimally matched lay lengths
- Fleece wrapping
- Outer sheath: Special-PVC in alignment with DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM2)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- largely resistant to: oil,
  for details, see "Technical Information"
- low adhesion
- suitable for use in drag chains
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- certifications and approvals:
  EAC

APPLICATION

Proven in drag chain applications; suitable for frequent and fast lifting and bending stresses in machine and tool construction, in robotics and on permanently moving machine parts. Reliable operation ensures a long service life and high efficiency.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- for use in energy supply systems:
  1) the assembly instructions must be observed
  2) for further application parameters, please refer to the selection tables
  3) for special applications, we recommend contacting us and using our data entry form for energy supply systems

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
49550	2 x 0.14	26	3.5	2.8	23.0
49551	3 x 0.14	26	3.7	4.1	25.0
49552	4 x 0.14	26	3.9	5.6	30.0
49553	5 x 0.14	26	4.2	7.0	35.0
49554	7 x 0.14	26	4.8	9.8	49.0
49555	10 x 0.14	26	6.2	14.0	64.0
49556	12 x 0.14	26	6.3	16.8	71.0
49557	14 x 0.14	26	6.6	19.6	77.0
49558	18 x 0.14	26	7.2	25.2	90.0
49559	24 x 0.14	26	8.5	33.6	119.0
49560	25 x 0.14	26	8.6	35.0	124.0
49561	2 x 0.25	24	4.2	5.0	28.0
49562	3 x 0.25	24	4.4	7.5	33.0
49563	4 x 0.25	24	4.7	10.0	39.0
49564	5 x 0.25	24	5.6	12.5	50.0
49565	7 x 0.25	24	6.1	17.5	63.0
49566	10 x 0.25	24	7.2	25.0	83.0
49567	12 x 0.25	24	7.5	30.1	95.0
49568	14 x 0.25	24	7.9	35.0	107.0
49569	18 x 0.25	24	8.9	45.0	130.0
49570	24 x 0.25	24	10.4	60.0	170.0
49571	25 x 0.25	24	10.5	62.5	177.0
49572	2 x 0.34	22	4.6	6.8	33.0
49573	3 x 0.34	22	4.8	10.2	42.0
49574	4 x 0.34	22	5.2	13.6	56.0
49575	5 x 0.34	22	6.1	17.0	64.0
49576	7 x 0.34	22	7.0	23.8	84.0
49577	10 x 0.34	22	8.4	34.0	116.0
49578	12 x 0.34	22	8.5	40.8	133.0
49579	14 x 0.34	22	9.0	47.6	150.0
49580	18 x 0.34	22	10.1	61.2	182.0
49581	24 x 0.34	22	12.0	81.5	240.0
49582	25 x 0.34	22	12.2	85.0	250.0

17.08.2023 / We reserve the right to make technical changes; the imprint in the image is purely exemplary